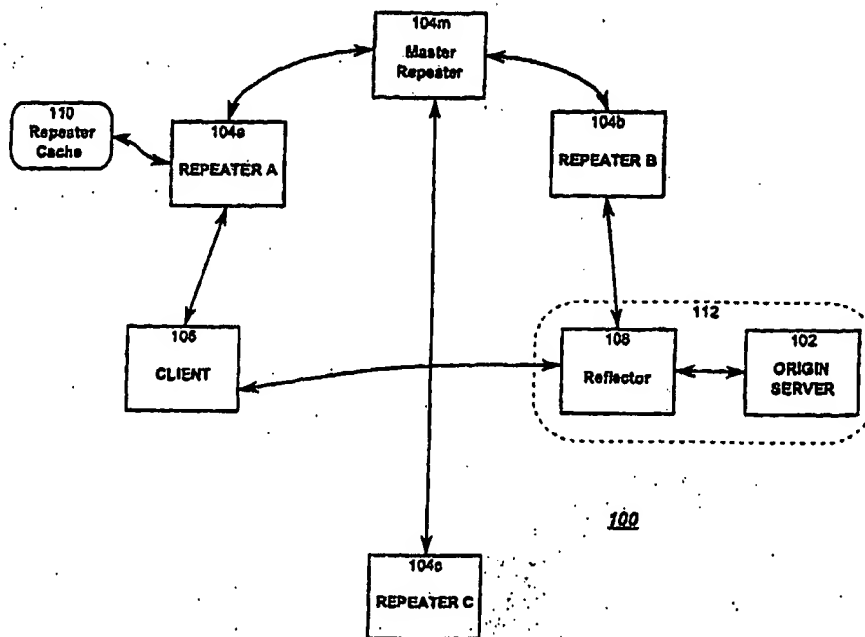




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>G06F 9/46, H04L 29/06</b>	<b>A1</b>	(11) International Publication Number: <b>WO 99/40514</b> (43) International Publication Date: 12 August 1999 (12.08.99)
<p>(21) International Application Number: PCT/US99/01477</p> <p>(22) International Filing Date: 9 February 1999 (09.02.99)</p> <p>(30) Priority Data: 09/021,506 10 February 1998 (10.02.98) US</p> <p>(71) Applicant (for all designated States except US): SANDPIPER NETWORKS INC. [US/US]; Suite 210, 125 Auburn Court, Westlake Village, CA 91362 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): FARBER, David, A. [US/US]; 56 Monterey Drive, Oak View, CA 93022 (US). GREER, Richard, E. [US/US]; 516 N. Hauser, Red Lodge, MT 59068 (US). SWART, Andrew, D. [US/US]; 981 Via Colinas, Westlake Village, CA 93463 (US). BALTER, James, A. [US/US]; Apartment A, 1819 Olive Avenue, Santa Barbara, CA 93101 (US).</p> <p>(74) Agents: LAZAR, Dale, S. et al.; Pillsbury Madison &amp; Sutro LLP, 1100 New York Avenue, N.W., Washington, DC 20005 (US).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	

## (54) Title: OPTIMIZED NETWORK RESOURCE LOCATION



## (57) Abstract

Resource requests made by clients of origin servers in a network are intercepted by reflector mechanisms and selectively reflected to other servers called repeaters. The reflectors select a best repeater from a set of possible repeaters and redirect the client to the selected best repeater. The client then makes the request of the selected best repeater. The resource is possibly rewritten to replace at least some of the resource identifiers contained therein with modified resource identifiers designating the repeater instead of the origin server.